

POWER PLANT SUPERINTENDENT

PURPOSE AND NATURE OF WORK

Position is responsible for all activities of the Power Supply division, which include operations, maintenance and renovation of a power plant, as well as scheduling natural gas purchases and providing technical support in monitoring operation of a jointly owned power plant venture. Incumbent works under the general direction of the Engineering and Power Supply Manager and has supervisory responsibilities for a skilled operations and maintenance staff.

ILLUSTRATIVE EXAMPLES OF WORK (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Plans, directs and assigns work of the generating station staff, which includes scheduling and overseeing unit operation, maintenance, plant regulatory compliance, and rehabilitation and modernization. Conducts walk-through inspections of plant and equipment, conducts daily meetings with staff, and reviews status of units and ancillary equipment. Analyzes operating records, fuel prices and load demand, and informs management of availability and cost of operating units. Analyzes need for modernization, addition to, or renovation of plant and equipment. Prepares cost-benefit analyses, presents to management, and communicates and justifies expenditures. Develops policies and procedures for power plant operations. Interviews prospective employees, recommends appointments or promotions, trains and evaluates performance, and initiates disciplinary action as appropriate. Prepares, submits, maintains and revises the division budget. Performs related work as required.

NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS

Thorough knowledge of natural gas- or oil-fired steam generating plant processes and operations.

Thorough knowledge of plant equipment, characteristics and maintenance requirements.

Thorough knowledge of the generating plant regulatory environment, including safety and health, environmental and energy-related regulations.

Ability to analyze problems with plant process from control room instrumentation, staff reports and direct inspection, and to resolve them promptly.

Ability to schedule and/or direct maintenance and operations activities so as to provide available cost-effective electric generation, with little or no advance notice.

Ability to read, interpret and make effective use of technical manuals, schematics, graphs and mathematical specifications, as well as communicate these to operations and maintenance staff.

Ability to form and maintain effective working relationships with staff, managers, contractors and elected officials.

DESIRABLE TRAINING AND EXPERIENCE

Bachelor's degree in Mechanical Engineering or related field, and substantial professional experience in gas-fired steam turbine electric generation plant operations and maintenance; or any equivalent combination of training and experience.